COMP 506, Spring 2017
Compiler Construction for Graduate Students

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Course Objectives: Student in COMP 506 will develop a fundamental understanding of program analysis, translation, and code generation. The course assumes a working familiarity with scanning and parsing; those topics will be covered as review material. COMP 506 and COMP 412 are mutually exclusive; a student may only receive credit for one of them.

The programming assignments in COMP 506 will help students develop skills in the translation, analysis, and transformation of programs, represented in some abstract form.

Students are responsible for the contents of the book & the lectures.

Assignments & Grading Policies: The course will have two exams and three programming assignments, or "labs". Each programming assignment has a detailed handout that describes the assignment in depth. The assignments will be weighted for the final grade as follows:

Exams		***Programming Assignments***	
Midterm Exam	25%	Lab 1	16%
Final Exam	25%	Lab 2	16%
		Lab 3	18%

Exams are given under the Rice Honor Code.

Students are encouraged to discuss the programming assignments with each other. However, each student must write all of the code that they submit for each lab, other than standard libraries and instructor-supplied material.

Textbook: Much of the material will be drawn from *Engineering a Compiler, 2nd Edition,* by Cooper and Torczon; Several copies will be on reserve in Fondren Library. Other material will draw on technical papers available from the ACM Digital Library (free from Rice Owls wireless network) or the course web site.

Discussion Site: We will be using Piazza to handle questions about assignments, tests, and general class discussion. If you did not receive an email invitation to Piazza, send email to the instructor.

Course Web Site: https://www.clear.rice.edu/comp506

Lecture notes, handouts for the programming assignments, and announcements will be posted to the web site. Any changes to policies will be posted on the course web site and on Piazza.

Notice: Any student with a disability requiring accommodations in this class should contact the instructor or Rice's Coordinator for Disability Support Services, Alan Reynolds.